Inspection Procedure **GDF-09**

Gasoline Dispensing Facilities

PHASE II BALANCE SYSTEM
INSERTION INTERLOCK OPERATION DETERMINATION

1. PURPOSE

1.1 The purpose of this inspection procedure is to provide a methodology to ensure the proper operation of a phase II balance system nozzle insertion interlock.

2. PRINCIPLE AND SUMMARY

2.1 A balance system nozzle is checked to ensure the insertion interlock is operating properly. If the nozzle is operating properly, fuel cannot be dispensed without the dispenser being activated and bellows depressed.

3. BIASES AND INTERFERENCES

3.1 If the bellows of the balance system nozzle is not fully depressed it may not activate the insertion interlock

3.2 If the proper methodology for the specific nozzle type is not employed, interlock operation may not be determined.

4. EQUIPMENT

4.1 **Approved Gas Can**. Use an approved gas can to hold any gasoline that may be dispensed during testing.

5. INSPECTION PROCEDURE

5.1 Remove the nozzle to be tested from the dispenser holster. DO NOT ACTIVATE THE DISPENSER. Determine if the nozzle is listed:

a) Emco Wheaton A4000
b) Emco Wheaton A4001
c) Emco Wheaton A4005
d) EZ-flo Rebuilt A4000
e) EZ-flo Rebuilt A4001
f) OPW-111V
g) Husky Model V

5.2 WITHOUT ACTIVATING THE DISPENSER, depress the bellows and pull the trigger.

5.3 Note if the trigger had, or did not have, tension on the Field Data Sheet, as shown in Form 1. No tension on the trigger after the bellows has been depressed

indicates that the interlock is not working properly and that the nozzle must be repaired or replaced.

5.4 If the nozzle **is not** on the above list, activate the dispenser and place the nozzle tip so that any dispensed gas would flow into the approved gas can but so that the BELLOWS ARE NOT DEPRESSED.

5.5 Pull the trigger and observe if gasoline continues to flow after 1 second. Release the trigger. If fuel continues to be dispensed after 1 second it indicates that the interlock is not working properly and that the nozzle must be repaired or replaced.

6. REPORTING RESULTS

6.1 Record the following information on a Field Data Sheet similar to that shown in Form 1:

a) Dispenser Number
b) Gasoline Grade or Octane
c) Nozzle Make and Model Number
d) Was Trigger Tension noted or
e) Was fuel dispensed after one second

7. POST-INSPECTION PROCEDURES

7.1 Carefully pour any remaining gasoline from the gasoline can into the product drop tube of the gasoline grade with the lowest octane rating, typically 87 octane. To reduce inspection-related emissions, ensure that no gasoline is spilled during this transfer.

FORM 1
BALANCE SYSTEM INTERLOCK OPERATION
INSPECTION PROCEDURE GDF-09

STATION NAME: _____ **ADDRESS:** _____

CITY: _____ **PHONE:** _____

PHASE II SYSTEM TYPE: _____ **NUMBER OF NOZZLES:** _____

DISPENSER #	GAS GRADE [87,89,92]	NOZZLE MAKE	NOZZLE MODEL #	TRIGGER TENSION OR FUEL DISPENSED	PASS/ FAIL	DATE REPAIRED

INSPECTION CONDUCTED BY: _____ DATE:_____